

WHAT IS CLAIMED IS:

1. A member adapted to be used in friction stir welding, comprising:

in one end of said member, in one outer face in a thickness direction of said member and another outer face of said member, recessed portions are provided respectively,

said recessed portion of said one outer face opens directed toward one outer side in a thickness direction of said member and one end direction of said member,

said recessed portion of said another outer face opens directed toward another outer side in said thickness direction of said member and said one end direction, and

said respective recessed portions are portions capable of having a friction stir welding carried out therein by inserting a rotary tool therein.

2. A hollow frame member adapted to be used in friction stir welding, wherein:

said hollow frame member comprises a first plate, a second plate which is substantially in parallel to said first plate, and a third plate connecting said first plate and said second plate,

at a side of an outer face of one end of said first plate, a recessed portion is provided along to said one end of said first plate,

said recessed portion opens directed toward an outer side in a

thickness direction of said hollow frame member and toward one end direction of said first plate, and

said recessed portion is a portion capable of having a friction stir welding carried out therein by inserting a rotary tool therein.

3. A hollow frame member according to claim 2, wherein said recessed portion is provided at a connection portion of said third plate and said one end of said first plate.

4. A hollow frame member according to claim 3, wherein:
said third plate of said hollow frame member is formed substantially orthogonal to said first plate, and

a corner portion from said first plate to said recessed portion is positioned in a range of an extension line in a thickness of said third plate.

5. A hollow frame member according to claim 4, wherein said corner portion is positioned at an extension line of a center in a thickness of said third plate.

6. A hollow frame member according to claim 4, wherein said corner portion is positioned at another end side of said first plate from a center in a thickness of said third plate.

7. A hollow frame member according to claim 2, wherein:
at said one end of said first plate, a second recessed portion is

provided in said second plate along to said one end,

said second recessed portion opens directed toward an outer side in a thickness direction of said hollow frame member and said one end direction of said first plate, and

said second recessed portion is a portion capable of having a friction stir welding carried out therein by inserting a rotary tool therein.

8. A hollow frame member according to claim 7, wherein said second recessed portion is provided at a connection portion of said third plate and said one end of said second plate.

9. A hollow frame member according to claim 8, wherein:
said third plate is formed substantially orthogonal to said second plate,
and
a second corner portion from said second plate to said second recessed portion is positioned in a range of an extension line in a thickness of said third plate.

10. A hollow frame member according to claim 9, wherein said second corner portion is positioned at an extension line of a center in a thickness of said third plate.

11. A hollow frame member according to claim 9, wherein said second corner portion is positioned at another end side of said second plate from a center in a thickness of said third plate.